Thursday, 11/16/2006 4:25:12 PM

Kim Johnston



Process Sheet

Customer

: CU-DAR001 Dart Helicopters Services

Job Number

: 29481

Estimate Number

: 10377

P.O. Number

This Issue : 11/16/2006

: NC Prsht Rev.

First Issue

: // : 29480

\$.O. No. :

: PURCHASED PARTS Type

Part Number

Drawing Name

: D2890

Drawing Number

: D2890 REV B

: AFT CROSSTUBE

Project Number

: N/A

Drawing Revision

: B

Material

Due Date

: 12/10/2006

Qty:

1 Um:

Each

Previous Run Written By

Checked & Approved By

Comment

: Est.

Removed Bending procedures KJ/JLM

Additional Product

Job Number:



Seq. #:

Machine Or Operation:

Description:

1.0

D6008180

Crosstube extrusion

Comment: Qty.: Pick:

1.0000 Each(s)/Unit Total:

1.0000 Each(s)

🐰 Part# Description D6008-180 Crosstube extrusion Batch

2.0

BENDING

Comment: BENDING MACHINE

1-Bend D2890 as per Dwg D2890 and Folio FT002

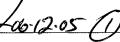
3.0



Comment: DIMENSIONAL

4.0

LANDING GEAR 1





LANDING GEAR RESOURCE 1



Comment: LANDING GEAR RESOURCE 1

1-Deburr and Polish

5.0

HAND FINISHING1

HAND FINISHING RESOURCE #1



Comment: HAND FINISHING RESOURCE #1

Chemical Conversion Coat as per QSI 005 4.1



Dart Ae	rospace L	_td								
W/O:			V	VORK ORDER	CHANGES	, d				
DATE	STEP	PR	PROCEDURE CHANGE		/ .	Ву	Date	Qty	Approval Chief Eng / Prod Mgr	Approval QC Inspector
Part No		PAR #:	Fault Ca	tegory:	NC	R: Yes	No DQ	A:	Date:	
						QA: N	C Close	d:	_ Date: _	
NCR:			WORK OR	DER NON-CON	FORMANCE	E (NCR)			
		Description of NC		Corrective Actio	n Section B		Verifi	cation	Approval	Approval
DATE	STEP	Section A	Initial Chief Eng	Action Des Chief E		Sign & Date			QC Inspector	
				:						

NOTE: Date & initial all entries

Date:

Thursday, 11/16/2006 4:25:12 PM

User:1

Kim Johnston

Process Sheet

Customer: CU-DAR001 Dart Helicopters Services

Drawing Name: AFT CROSSTUBE

Job Number: 29481

Part Number: D2890

Job Number:



Seq. #:

Machine Or Operation:

Description:

6.0

INSPECT POWDER COAT/CHEMICAL CONVERSION





Comment: INSPECT POWDER COAT/CHEMICAL CONVERSION

7.0

PACKAGING 1

PACKAGING RESOURCE #1



Comment: PACKAGING RESOURCE #1

Identify and Stock

Location:_

See w/0



8.0

QC21





Comment: FINAL INSPECTION/W/O RELEASE

Job Completion



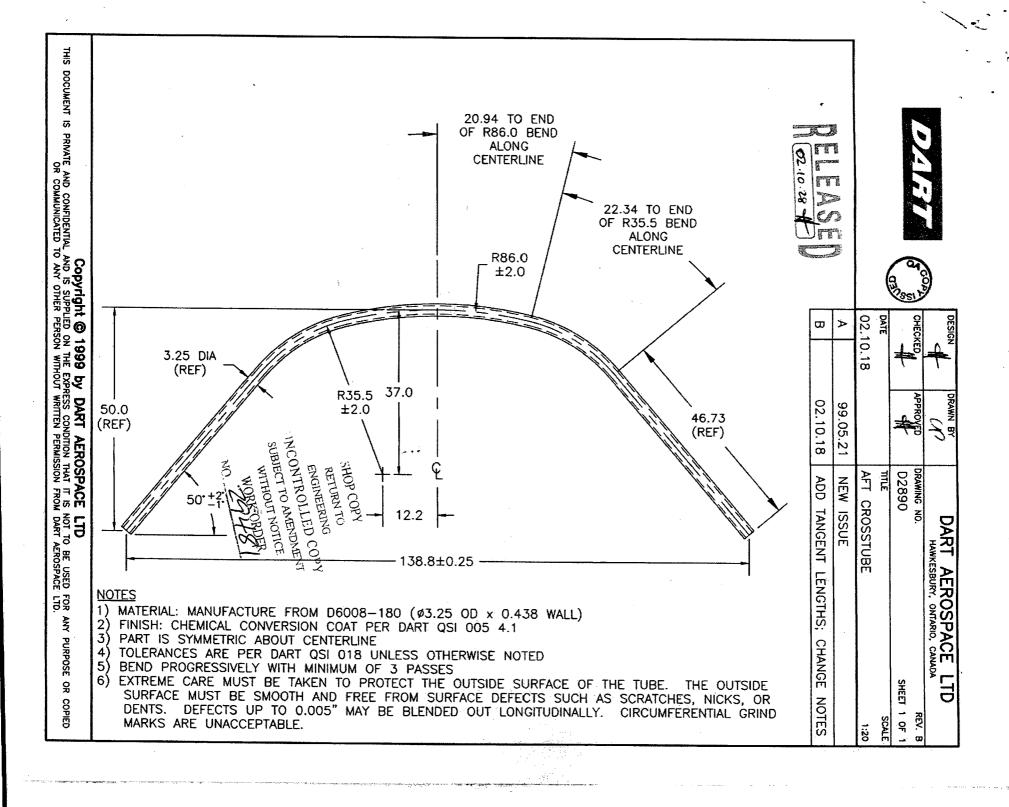
Dart Aerospace Ltd

W/O:		WORK ORDER CHANGES								
DATE	STEP	PROCEDURE CHANGE	Ву	Date	Qty	Approval Chief Eng / Prod Mgr	Approval QC Inspector			
							:			
l										
Part No		PAR #: Fault Category:	NCR: Ves	No DO	Δ.	Date				

QA: N/C Closed: ____ Date: ____

NCR:		\	WORK ORI	DER NON-CONFORMANC	E (NCR)							
	Description of NC	Description of NC		Verification	Annewal	Amproval						
DATE	STEP	Section A	Initial Chief Eng	Action Description Chief Eng	Sign & Date	Section C	Approval Chief Eng	Approval QC Inspector				
						l						
								•				
			•									

NOTE: Date & initial all entries

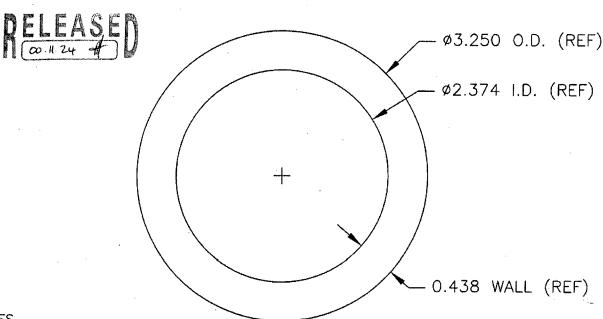






DESIGN P DRAWN BY			DART AEROSPACE LTD HAWKESBURY, ONTARIO, CANADA				
CHEC	(ED)	APPROVED	DRAWING NO.	REV. A			
	9	9	D6008	SHEET 1 OF 1			
DATE	······································		TITLE	SCALE			
00.1	1.17		CROSSTUBE MATERIAL	1:1.			
À	,	00.11.17	NEW ISSUE				

SPECIFICATION CONTROL DRAWING



NOTES

1) D6008-XXX CROSSTUBE LENGTH

WHERE XXX IS LENGTH IN INCHES EG. 180" LONG TUBE: D6008-180

SHOP COPY

2) MATERIAL: 3.250 OD x 0.438 WALL 7075-T6/T6511 (WW-T-700/7 OR QQ-A-225/9) TOR QQ-A-200/11) SEAMLESS ALUMINUM TUBE.

MINIMUM ULTIMATE TENSILE STRENGTH = 77 ksi

MINIMUM YIELD TENSILE STRENGTH = 66 ksi

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3) TOLERANCES ARE PER ASTM B210 AS FOLLOWS:

O.D.: ± 0.008 MEAN (±0.016 INCLUDING OVALITY) WALL: ±0.020 MEAN (±0.044 INCLUDING ECCENTRICITY)

LENGTH: XXX +0.125/-0.000

STRAIGHTNESS: 0.010" DEVIATION / 12" LENGTH

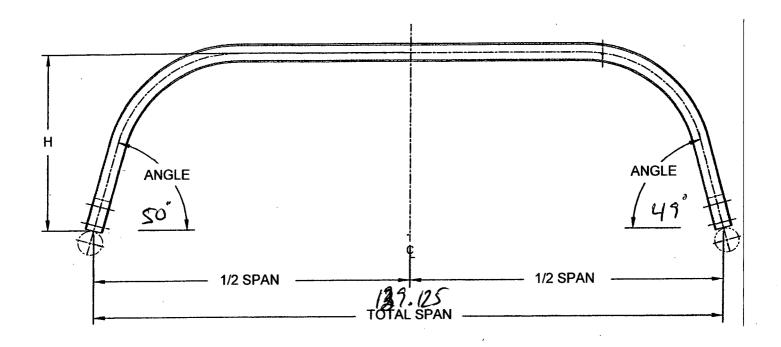
4) EXTREME CARE MUST BE TAKEN TO PROTECT THE OUTSIDE SURFACE OF THE TUBE. OUTSIDE SURFACE MUST BE SMOOTH AND FREE FROM SURFACE DEFECTS SUCH AS SCRATCHES, NICKS, OR DENTS. DEFECTS UP TO 0.005" MAY BE BLENDED OUT LONGITUDINALLY. CIRCUMFERENTIAL GRIND MARKS ARE UNACCEPTABLE.

5) CHEMICAL CONVERSION COAT PER DART QSI 005 4.1

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Crosstube Bend Dimension Sheet



See W/O D205-596-107 B29703

PART NUMBER: 2890

BATCH NUMBER: 2948(

DRAWING: 2890 REVISION: B

H: <u>SOO</u>

1/2 SPAN: 69-4

TOTAL SPAN: 138.8 + .25

ANGLE: 50° +1

QC 15:

DATE: 06-12-05

QTY: ____